End-to-end learning

speech recongnition example:

-> audio mfcc features — phanemes — words — > transcripts

End- to - end:

Pros: let the duta speak

less hand-designing of components needed

cons: may need large amount of data

Excudes potentially useful hand-designed components.

X Applying end-to-end deep learning:

key question: Do you have sufficient data to learn u function of the complexity needed to map x to y?